

07-13-01

7
#1/A

Attorney Docket P1618P2C50
PATENT

07/11/01
11059 U.S. PTO

Please type a plus sign (+) inside this box ☐

11040 U.S. PTO
09/903823
07/11/01

CERTIFICATION UNDER 37 CFR 1.10

July 11, 2001: Date of Deposit

EL 809 448 478 US: Express Mail Number

I hereby certify that this Non-provisional Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231.

Teri Renshaw
Teri Renshaw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION
Assistant Commissioner of Patents
Washington, D.C. 20231

NON-PROVISIONAL APPLICATION TRANSMITTAL UNDER 37 CFR 1.53(b)

Transmitted herewith for filing is a non-provisional patent application:

Inventor(s) (or Application "Identifier"):

Avi Ashkenazi, San Mateo, CA
David Botstein, Belmont, CA
Luc Desnoyers, San Francisco, CA
Dan L. Eaton, San Rafael, CA
Napoleone Ferrara, San Francisco, CA
Ellen Filvaroff, San Francisco, CA
Sherman Fong, Alameda, CA
Wei-Qiang Gao, Foster City, CA
Hanspeter Gerber, San Francisco, CA
Mary E. Gerritsen, San Mateo, CA
Audrey Goddard, San Francisco, CA
Paul J. Godowski, Burlingame, CA
J. Christopher Grimaldi, San Francisco, CA
Austin L. Gurney, Belmont, CA
Kenneth J. Hillan, San Francisco, CA
Ivar J. Kijavin, Lafayette, CA
Jennie P. Mather, Millbrae, CA
James Pan, Belmont, CA
Nicholas F. Paoni, Belmont, CA
Margaret Ann Roy, San Francisco, CA
Timothy A. Stewart, San Francisco, CA
Daniel Tumas, Orinda, CA
P. Mickey Williams, Half Moon Bay, CA
William I. Wood, Hillsborough, CA

Title: **SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME**

09003823-071101

1. Typ of Application

- ☐ This application is for an original, non-provisional application.
- ☐ This is a non-provisional application claiming priority to provisional application no. __, filed __, the entire disclosure of which is hereby incorporated by reference..
- ☒ This is a ☐ continuation-in-part ☒ continuation ☐ divisional application claiming priority to application serial numbers: 60/059115 filed September 17, 1997; 60/059184 filed September 17, 1997; 60/059122 filed September 17, 1997; 60/059117 filed September 17, 1997; 60/059113 filed September 17, 1997; 60/059121 filed September 17, 1997; 60/059119 filed September 17, 1997; 60/059263 filed September 18, 1997; 60/059266 filed September 18, 1997; 60/062125 filed October 15, 1997; 60/062287 filed October 17, 1997; 60/062285 filed October 17, 1997; 60/063486 filed October 21, 1997; 60/062816 filed October 24, 1997; 60/062814 filed October 24, 1997; 60/063127 filed October 24, 1997; 60/063120 filed October 24, 1997; 60/063121 filed October 24, 1997; 60/063045 filed October 24, 1997; 60/063128 filed October 24, 1997; 60/063329 filed October 27, 1997; 60/063327 filed October 27, 1997; 60/063549 filed October 28, 1997; 60/063541 filed October 28, 1997; 60/063550 filed October 28, 1997; 60/063542 filed October 28, 1997; 60/063544 filed October 28, 1997; 60/063564 filed October 28, 1997; 60/063734 filed October 29, 1997; 60/063738 filed October 29, 1997; 60/063704 filed October 29, 1997; 60/063435 filed October 29, 1997; 60/064215 filed October 29, 1997; 60/063735 filed October 29, 1997; 60/063732 filed October 29, 1997; 60/064103 filed October 31, 1997; 60/063870 filed October 31, 1997; 60/064248 filed November 3, 1997; 60/064809 filed November 7, 1997; 60/065186 filed November 12, 1997; 60/065846 filed November 17, 1997; 60/065693 filed November 18, 1997; 60/066120 filed November 21, 1997; 60/066364 filed November 21, 1997; 60/066772 filed November 24, 1997; 60/066466 filed November 24, 1997; 60/066770 filed November 24, 1997; 60/066511 filed November 24, 1997; 60/066453 filed November 24, 1997; 60/066840 filed November 25, 1997; 60/069,425 filed December 12, 1997; 60/088,026 filed June 4, 1998; 60/099,803 filed September 10, 1998; 60/100,262 filed September 14, 1998; 60/100,858 filed September 17, 1998; 60/104,080 filed October 13, 1998; 60/109,304 filed November 20, 1998; 60/113,296 filed December 22, 1998; 60/143,048 filed July 7, 1999; 60/145,698 filed July 26, 1999; 60/146,222 filed July 28, 1999; 09/665,350 filed September 18, 2000; PCT/US98/18824 filed September 10, 1998; PCT/US98/19177 filed September 14, 1998; PCT/US98/19330 filed September 16, 1998; PCT/US98/19437 filed September 17, 1998; PCT/US98/25108 filed December 1, 1998; PCT/US99/20594 filed September 8, 1999; PCT/US99/20944 filed September 13, 1999; PCT/US99/21090 filed September 15, 1999; PCT/US99/21547 filed September 15, 1999; PCT/US99/23089 filed October 5, 1999; PCT/US99/28214 filed November 29, 1999; PCT/US99/28313 filed November 30, 1999; PCT/US99/28301 filed December 1, 1999; PCT/US99/28564 filed December 2, 1999; PCT/US99/28565 filed December 2, 1999; PCT/US99/30095 filed December 16, 1999; PCT/US99/30999 filed December 20, 1999; PCT/US99/30911 filed December 20, 1999; PCT/US00/00219 filed January 5, 2000; PCT/US00/03565 filed February 11, 2000; PCT/US00/04414 filed February 22, 2000; PCT/US00/05004 filed February 24, 2000; PCT/US00/05841 filed March 2, 2000; PCT/US00/07377 filed March 20, 2000; PCT/US00/08439 filed March 30, 2000; PCT/US00/14042 filed May 22, 2000; PCT/US00/15264 filed June 2, 2000; PCT/US00/20710 filed July 28, 2000; PCT/US00/23328 filed August 24, 2000, the entire disclosure of which is hereby incorporated by reference.

60/059115
60/059184
60/059122
60/059117
60/059113
60/059121
60/059119
60/059263
60/059266
60/062125
60/062287
60/062285
60/063486
60/062816
60/062814
60/063127
60/063120
60/063121
60/063045
60/063128
60/063329
60/063327
60/063549
60/063541
60/063550
60/063542
60/063544
60/063564
60/063734
60/063738
60/063704
60/063435
60/064215
60/063735
60/063732
60/064103
60/063870
60/064248
60/064809
60/065186
60/065846
60/065693
60/066120
60/066364
60/066772
60/066466
60/066770
60/066511
60/066453
60/066840
60/069,425
60/088,026
60/099,803
60/100,262
60/100,858
60/104,080
60/109,304
60/113,296
60/143,048
60/145,698
60/146,222
09/665,350
PCT/US98/18824
PCT/US98/19177
PCT/US98/19330
PCT/US98/19437
PCT/US98/25108
PCT/US99/20594
PCT/US99/20944
PCT/US99/21090
PCT/US99/21547
PCT/US99/23089
PCT/US99/28214
PCT/US99/28313
PCT/US99/28301
PCT/US99/28564
PCT/US99/28565
PCT/US99/30095
PCT/US99/30999
PCT/US99/30911
PCT/US00/00219
PCT/US00/03565
PCT/US00/04414
PCT/US00/05004
PCT/US00/05841
PCT/US00/07377
PCT/US00/08439
PCT/US00/14042
PCT/US00/15264
PCT/US00/20710
PCT/US00/23328

2. **Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b)
(Non-provisional)**

251 pages of specification
8 pages of claims
1 page(s) of abstract
124 sheet(s) of drawings
☒ formal ☐ informal

3. **Declaration or Oath**

 (for new and CIP applications; also for Cont./Div. where inventor(s) are being added)
 An executed declaration of the inventor(s) ☐ is enclosed ☐ will follow.

 X (for Cont./Div. where inventorship is the same or inventor(s) being deleted)
 A copy of the executed declaration/oath filed in the prior application is enclosed
 (37 CFR 1.63(d)).

 (for Cont./Div. where inventor(s) being deleted)
 A signed statement is attached deleting inventor(s) named in the prior
 application (see 37 CFR 1.63(d)(2) and 1.33(b)).

4. **Assignment**

 (for new and CIP applications)
 An Assignment of the invention to GENENTECH, INC. ☐ is enclosed with
 attached Recordation Form Cover Sheet ☐ will follow.

 X (for cont./div.)
 The prior application is assigned of record to Genentech, Inc.
 REEL/FRAAME 011508/0761
 Recorded: 05/05/2001

5. **Amendments (for continuation and divisional applications)**

 Cancel in this application original claims of the prior application before calculating the filing
 fee. (At least one original independent claim must be retained for filing purposes.)

 X A preliminary amendment is enclosed. (Claims added by this amendment have been
 properly numbered consecutively beginning with the number next following the highest
 numbered original claim in the prior application.)

Relate Back -- 35 U.S.C. 120 or 35 U.S.C. 119

 X Amend the specification by inserting before the first line the sentence:

--This is a

 non-provisional application
 X continuation

Sub B1 A1

Figure 6. The effect of the number of iterations (n) on the accuracy of the proposed algorithm. The error rate decreases as the number of iterations increases. The error rate is approximately 0.01 for $n = 100$.

~~X~~ U.S. serial number 09/665,350, filed September 18, 2000, which applications are incorporated herein by reference and to which applications priority is claimed under 35 USC §120; and

X International Application serial numbers: PCT/US98/18824 filed September 10, 1998; PCT/US98/19177 filed September 14, 1998; PCT/US98/19330 filed September 16, 1998; PCT/US98/19437 filed September 17, 1998; PCT/US98/25108 filed December 1, 1998; PCT/US99/20594 filed September 8, 1999; PCT/US99/20944 filed September 13, 1999; PCT/US99/21090 filed September 15, 1999; PCT/US99/21547 filed September 15, 1999; PCT/US99/23089 filed October 5, 1999; PCT/US99/28214 filed November 29, 1999; PCT/US99/28313 filed November 30, 1999; PCT/US99/28301 filed December 1, 1999; PCT/US99/28564 filed December 2, 1999; PCT/US99/28565 filed December 2, 1999; PCT/US99/30095 filed December 16, 1999; PCT/US99/30999 filed December 20, 1999; PCT/US99/30911 filed December 20, 1999; PCT/US00/00219 filed January 5, 2000; PCT/US00/03565 filed February 11, 2000; PCT/US00/04414 filed February 22, 2000; PCT/US00/05004 filed February 24, 2000; PCT/US00/05841 filed March 2, 2000; PCT/US00/07377 filed March 20, 2000; PCT/US00/08439 filed March 30, 2000; PCT/US00/14042 filed May 22, 2000; PCT/US00/15264 filed June 2, 2000; PCT/US00/20710 filed July 28, 2000; PCT/US00/23328 filed August 24, 2000, which designated the U.S., which applications are incorporated herein by reference and to which applications priority is claimed under 35 USC §120 and

X provisional application serial numbers: 60/059115 filed September 17, 1997; 60/059184 filed September 17, 1997; 60/059122 filed September 17, 1997; 60/059117 filed September 17, 1997; 60/059113 filed September 17, 1997; 60/059121 filed September 17, 1997; 60/059119 filed September 17, 1997; 60/059263 filed September 18, 1997; 60/059266 filed September 18, 1997; 60/062125 filed October 15, 1997; 60/062287 filed October 17, 1997; 60/062285 filed October 17, 1997; 60/063486 filed October 21, 1997; 60/062816 filed October 24, 1997; 60/062814 filed October 24, 1997; 60/063127 filed October 24, 1997; 60/063120 filed October 24, 1997; 60/063121 filed October 24, 1997; 60/063045 filed October 24, 1997; 60/063128 filed October 24, 1997; 60/063329 filed October 27, 1997; 60/063327 filed October 27, 1997; 60/063549 filed October 28, 1997; 60/063541 filed October 28, 1997; 60/063550 filed October 28, 1997; 60/063542 filed October 28, 1997; 60/063544 filed October 28, 1997; 60/063564 filed October 28, 1997; 60/063734 filed October 29, 1997; 60/063738 filed October 29, 1997; 60/063704 filed October 29, 1997; 60/063435 filed October 29, 1997; 60/064215 filed October 29, 1997; 60/063735 filed October 29, 1997; 60/063732 filed October 29, 1997; 60/064103 filed October 31, 1997; 60/063870 filed October 31, 1997; 60/064248 filed November 3, 1997; 60/064809 filed November 7, 1997; 60/065186 filed November 12, 1997; 60/065846 filed November 17, 1997; 60/065693 filed November 18, 1997; 60/066120 filed November 21, 1997; 60/066364 filed November 21, 1997; 60/066772 filed November 24, 1997; 60/066466 filed November 24, 1997; 60/066770 filed November 24, 1997; 60/066511 filed November 24, 1997; 60/066453 filed November 24, 1997; 60/066840 filed November 25, 1997; 60/069,425 filed December 12, 1997; 60/088,026 filed June 4, 1998; 60/099,803 filed September 10, 1998; 60/100,262 filed September 14, 1998; 60/100,858 filed September 17, 1998; 60/104,080 filed October 13, 1998; 60/109,304 filed November 20, 1998; 60/113,296 filed December 22, 1998; 60/143,048 filed July 7, 1999; 60/145,698 filed July 26, 1999; 60/146,222 filed July 28, 1999, the entire disclosure of which is hereby incorporated by reference and to

which applications priority is claimed under 35 USC §119.

6. **Fee Calculation (37 CFR 1.16)**

The fee has been calculated as follows:

CLAIMS FOR FEE CALCULATION					
Number Filed		Number Extra		Rate	Basic Fee 37 CFR 1.16(a)
					\$710.00
Total Claims	13	- 20 =	0	X \$18.00	\$0.00
Independent Claims	3	- 3 =	0	X \$80.00	\$0.00
0 Multiple dependent claim(s), if any				+ \$270.00	\$0.00
Filing Fee Calculation					\$710.00

7. **Method of Payment of Fees**

The Commissioner is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$710.00. **A duplicate copy of this transmittal is enclosed.**

8. **Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge any additional fees required under 37 CFR §1.16 and 1.17, or credit overpayment to Deposit Account No. 07-0630. **A duplicate copy of this sheet is enclosed.**

9. **Additional Papers Enclosed**

- ☐ Information Disclosure Statement (37 CFR §1.98) w/ PTO-1449 and citations
- ☒ Submission of "Sequence Listing", computer readable copy, certificate re: sequence listing, and/or amendment pertaining thereto for biological invention containing nucleotide and/or amino acid sequence.
- ☐ A new Power of Attorney or authorization of agent.
- ☒ Other: Post card

10. **Maintenance of Copendency of Prior Application (for continuation and divisional applications)**

[This item must be completed and the necessary papers filed in the prior application if the period set in the prior application has run]

- _____ A petition, fee and/or response has been filed to extend the term in the pending prior application until
- _____ A copy of the petition for extension of time in the **prior** application is attached.

X Address all future communications to:

Respectfully submitted,
GENENTECH, INC.

By: Made T. Wuk

Mark T. Kresnak, Ph.D.
Reg. No. 42,767
Telephone No. (650) 225-4461



09157

PATENT TRADEMARK OFFICE